Summary of Water Conditions

March 1, 2005

February continued with a split storm path, heavy rains in the south and relatively dry in the north. The overall gain in snowpack water content was about three fourths of average for the month, again less in the north. But the snowpack overall remains well above average due to goodly amounts earlier in the season. Except for northeastern region, the upper Klamath River basin, and the perennial supply problems on the San Joaquin Valley west side, the ample snowpack should ensure a good water supply year in most California basins.

Forecasts of April through July runoff are 105 percent of average statewide and range from 85 percent on the North Coast to 130 percent in the San Joaquin River region. The upper Klamath River is lowest at 52 percent. Water year forecasts are less at 90 percent of average, down because of relatively light winter runoff on the big northern rivers.

Snowpack water content is 135 percent of average compared to 125 percent last year. The snowpack is about 120 percent of the April 1 average, which is the normal date of maximum accumulation. Percentages are higher at the lower elevation snow courses and some of this will melt early during March if warm weather occurs.

Precipitation from October through February was about 140 percent of average compared to 105 percent at this time last year. The northern Sierra 8 station index is less this year at 96 percent of average compared to 120 percent last year. Statewide precipitation during February was about 110 percent of average, boosted by very wet conditions in Southern California.

Runoff so far for this season is considerably below average at 65 percent, down because of low runoff on the big rivers of the North Coast and Sacramento River regions. Last year seasonal runoff was 90 percent of average. February runoff was about 55 percent of average. The estimated runoff of the eight major rivers of the Sacramento and San Joaquin River regions during February was 2.0 million acre-feet.

Reservoir storage gained about 1.7 million acre-feet during February, slightly more than average, and now stands at 100 percent of average compared to 105 percent last year. Regional percentages range from 120 in the Central Coast to 25 in the North Lahontan where levels are depressed by low Lake Tahoe stages.

SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	MARCH 1 SNOW WATER CONTENT	MARCH 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR-JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	80	95	95	55	85	75
SAN FRANCISCO BAY	130	--	110	80	--	--
CENTRAL COAST	195	--	120	215	--	--
SOUTH COAST	270	--	115	345	--	--
SACRAMENTO RIVER	105	110	95	65	85	75
SAN JOAQUIN RIVER	150	155	115	115	130	125
TULARE LAKE	135	160	80	100	130	120
NORTH LAHONTAN	105	140	25	60	110	100
SOUTH LAHONTAN	315	180	95	70	130	120
COLORADO RIVER-DESERT	355	--	--	--	--	--
STATEWIDE	140	135	100	65	105	90

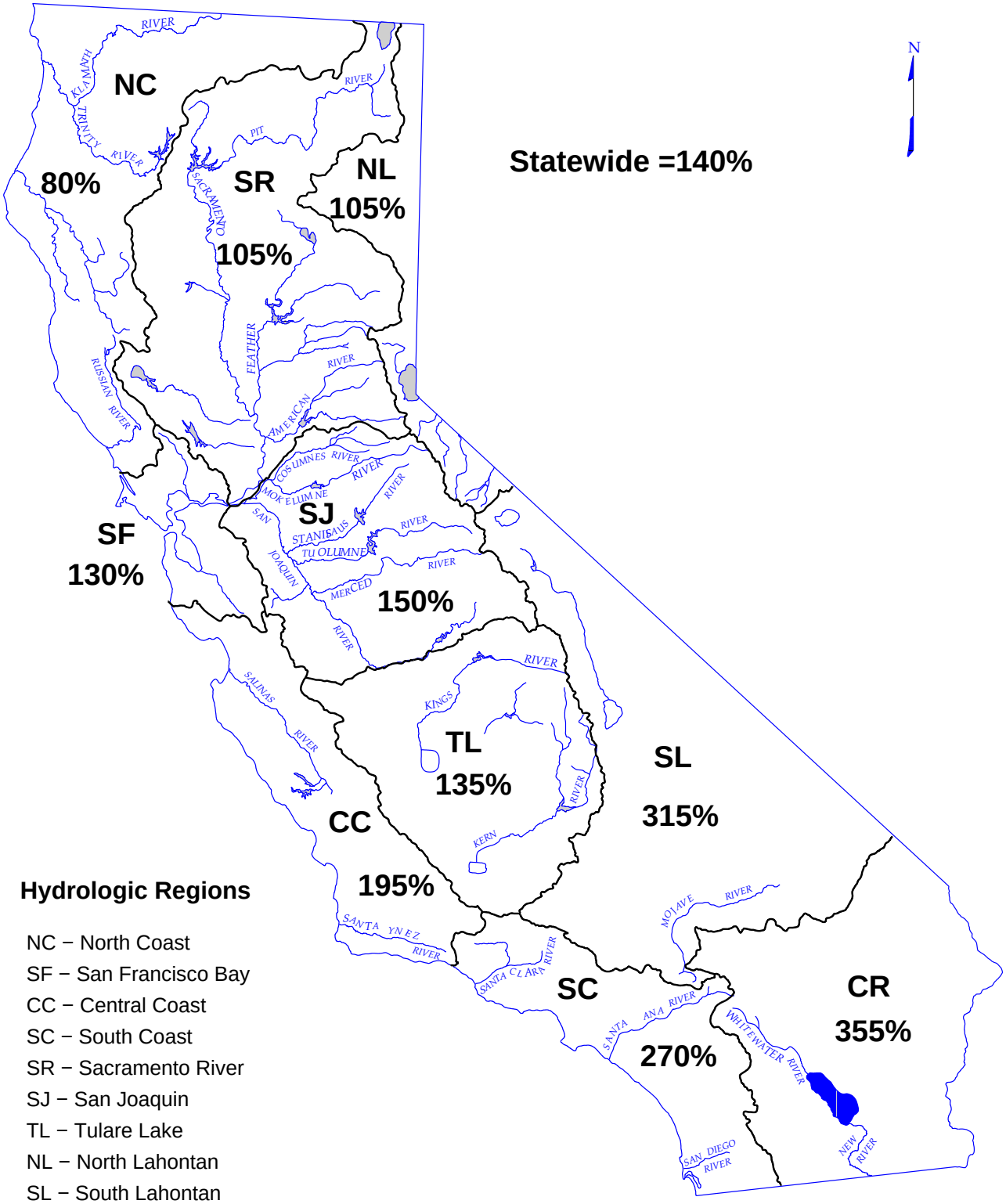
DEPARTMENT OF WATER RESOURCES

CALIFORNIA COOPERATIVE SNOW SURVEYS

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2004 through February 28, 2005

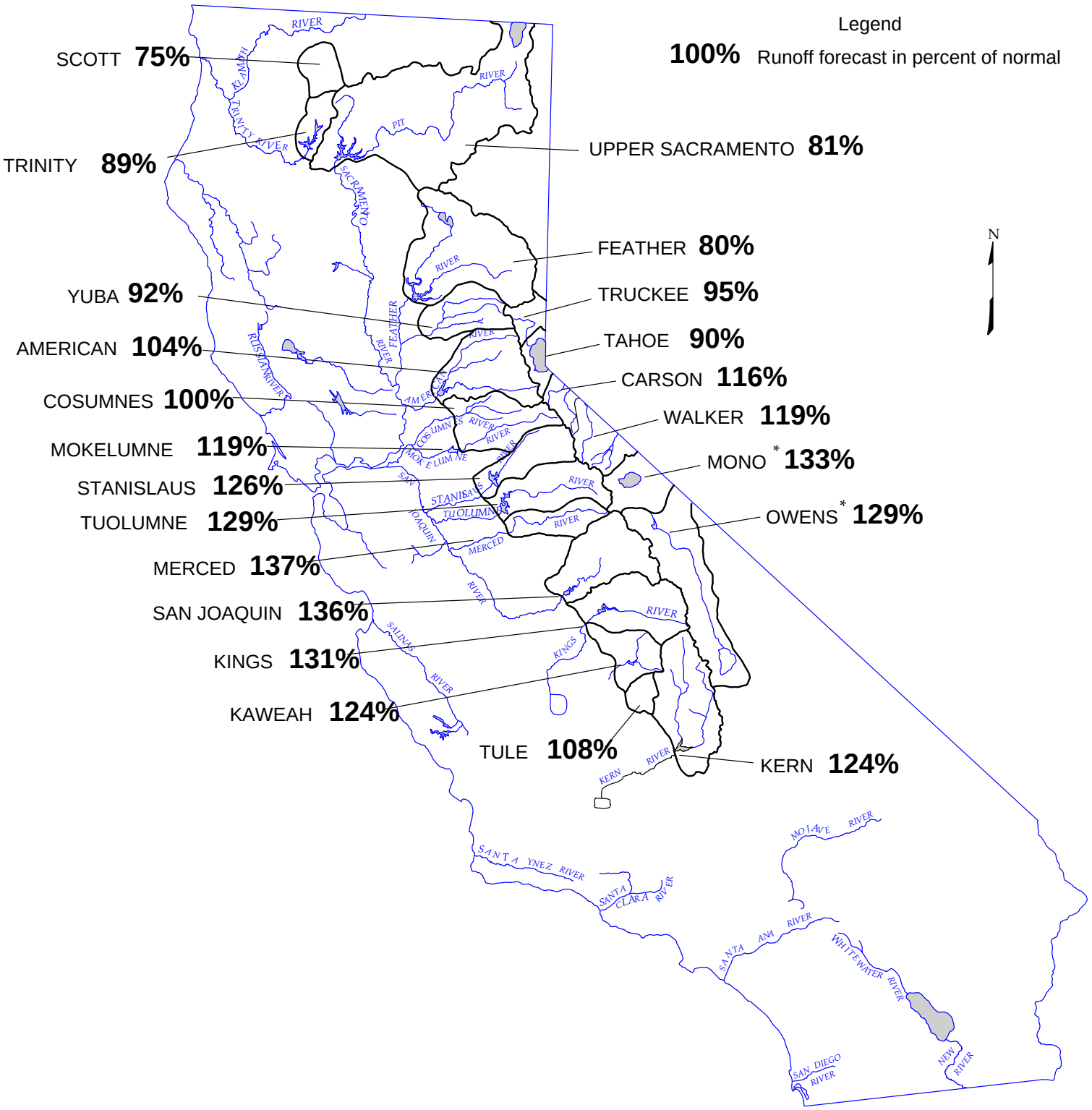


Hydrologic Regions

NC − North Coast
SF − San Francisco Bay
CC − Central Coast
SC − South Coast
SR − Sacramento River
SJ − San Joaquin
TL − Tulare Lake
NL − North Lahontan
SL − South Lahontan
CR − Colorado River−Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
March 1, 2005



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGLES

MARCH 1, 2005 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake (3)	299	711	39	265	89%	
McCloud River above Shasta Lake	400	850	185	370	93%	
Pit River near Montgomery Creek + Squaw Creek	1,090	2,098	480	850	78%	
Total Inflow to Shasta Lake	1,849	3,525	726	**1,540**	83%	1,120 - 2,330
Sacramento River above Bend Bridge, near Red Bluff	2,521	5,075	943	**2,050**	81%	1,310 - 3,230
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	260	78%	
North Fork at Pulga (3)	1,028	2,416	243	830	81%	
Middle Fork near Clio (4)	86	518	4	65	76%	
South Fork at Ponderosa Dam (3)	110	267	13	90	82%	
Feather River at Oroville	1,870	4,676	392	**1,500**	80%	1,090 - 2,460
Yuba River						
North Yuba below Goodyears Bar (3)	286	647	51	260	91%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	100	89%	
South Yuba at Langs Crossing (3)	233	481	57	210	90%	
Yuba River near Smartville plus Deer Creek	1,044	2,424	200	**960**	92%	670 - 1,510
American River						
North Fork at North Fork Dam (3)	262	716	43	270	103%	
Middle Fork near Auburn (3)	522	1,406	100	560	107%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	190	110%	
American River below Folsom Lake	1,282	3,074	229	**1,330**	104%	910 - 1,980
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	130	363	8	**130**	100%	80 - 230
Mokelumne River						
North Fork near West Point (5)	437	829	104	500	114%	
Total Inflow to Pardee Reservoir	469	1,065	102	**560**	119%	440 - 780
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	430	129%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	290	129%	
Stanislaus River below Goodwin Reservoir (7)	716	1,710	116	**900**	126%	700 - 1,160
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy (3)	322	727	97	400	124%	
Tuolumme River near Hetch Hetchy (3)	606	1,392	153	790	130%	
Tuolumne River below La Grange Reservoir (7)	1,230	2,682	301	**1,590**	129%	1,310 - 2,030
Merced River						
Merced River at Pohono Bridge (3)	362	888	80	510	141%	
Merced River below Merced Falls (7)	633	1,587	123	**870**	137%	740 - 1,090
San Joaquin River						
San Joaquin River at Mammoth Pool (6)	1,014	2,279	235	1,360	134%	
Big Creek below Huntington Lake (6)	95	264	11	135	142%	
South Fork near Florence Lake (6)	202	511	58	270	134%	
San Joaquin River inflow to Millerton Lake	1,262	3,355	262	**1,720**	136%	1,400 - 2,180
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	320	134%	
Kings River below Pine Flat Reservoir	1,234	3,113	274	**1,620**	131%	1,300 - 2,080
Kaweah River below Terminus Reservoir	290	814	62	**360**	124%	295 - 505
Tule River below Lake Success	65	259	2	**70**	108%	40 - 115
Kern River						
Kern River near Kernville (3)	373	1,203	83	480	129%	
Kern River inflow to Lake Isabella	470	1,657	84	**580**	124%	470 - 840

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81

MARCH 1, 2005 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)														
HISTORICAL			**DISTRIBUTION**								**FORECAST**			
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan*	Feb *	Mar	Apr	May	Jun	Jul	Aug & Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)	
888	1,965	165												
1,234	2,353	557												
3,217	5,150	1,484												
6,194	10,796	2,479	1,535	500	700	600	455	275	210	410	**4,685**	76%	4,060	- 6,045
8,990	17,180	3,294	2,465	735	1,000	770	600	380	300	520	**6,770**	75%	5,480	- 8,830
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,775	9,492	994	750	325	500	590	540	240	130	150	**3,225**	68%	2,580	- 4,600
564	1,056	102												
181	292	30												
379	565	98												
2,459	4,926	369	345	155	250	360	385	175	40	45	**1,755**	71%	1,375	- 2,475
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,830	6,382	349	500	225	340	460	540	270	60	25	**2,420**	86%	1,880	- 3,300
409	1,253	20	99	48	70	65	45	17	3	2	**349**	85%	270	- 505
626	1,009	197												
774	1,800	129	115	65	80	135	230	160	35	5	**825**	107%	680	- 1,090
471	929	88												
1,196	2,952	155	230	110	140	235	355	235	75	25	**1,405**	117%	1,160	- 1,730
461	1,147	123												
770	1,661	258												
1,974	4,631	383	440	190	245	340	560	500	190	40	**2,505**	127%	2,170	- 3,030
461	1,020	92												
1,014	2,787	150	280	105	135	195	320	265	90	35	**1,425**	140%	1,270	- 1,680
1,337	2,964	308												
112	298	14												
248	653	71												
1,851	4,642	362	300	135	200	310	610	565	235	90	**2,445**	132%	2,065	- 3,100
284	607	58												
1,736	4,287	386	240	85	150	275	565	540	240	95	**2,190**	126%	1,820	- 2,730
460	1,402	94	70	26	45	80	135	110	35	15	**516**	112%	440	- 690
153	615	16	34	11	25	35	20	10	5	3	**143**	94%	100	- 210
558	1,577	163												
741	2,318	175	110	50	65	110	215	175	80	55	**860**	116%	720	- 1,180

* Unimpaired runoff in prior months based on measured flows

(7) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

MARCH 1, 2005 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Apr-Jul Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Trinity River					
Trinity River at Lewiston Lake (3)	660	1,593	80	**590**	89%
Scott River					
Scott River near Fort Jones	200	400	30	**150**	75%
Klamath River					
Total inflow to Upper Klamath Lake (4)	515	939	149	**265**	52%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	272	713	52	**260**	95%
Lake Tahoe Rise (assuming gates closed, in ft)	1.4	5.4	0.2	**1.3**	90%
Carson River					
West Fork Carson River at Woodfords	55	135	12	**60**	108%
East Fork Carson River near Gardnerville	190	407	43	**225**	118%
Walker River					
West Walker River below Little Walker, near Coleville	153	330	35	**180**	117%
East Walker River near Bridgeport	65	209	7	**80**	122%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (5)	235	579	96	**302**	129%

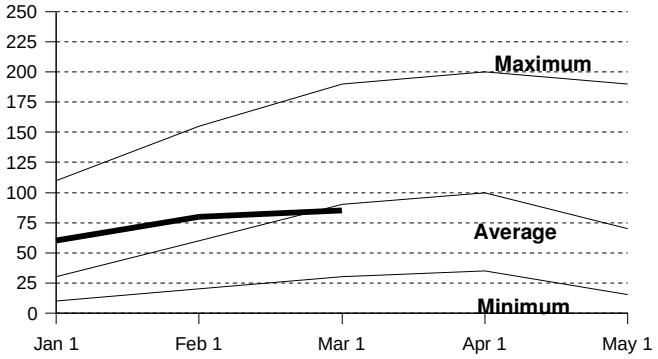
MARCH 1, 2005 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Water Year Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Water Year Forecasts	Pct of Avg	80 % Probability Range (1)
NORTH COAST						
Trinity River						
Trinity River at Lewiston Lake (3)	1,411	2,990	200	**1,140**	81%	920 - 1490

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted
(3) Forecast by DWR and National Weather Service California-Nevada River Forecast Center.
(4) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1971-2000.
(5) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.

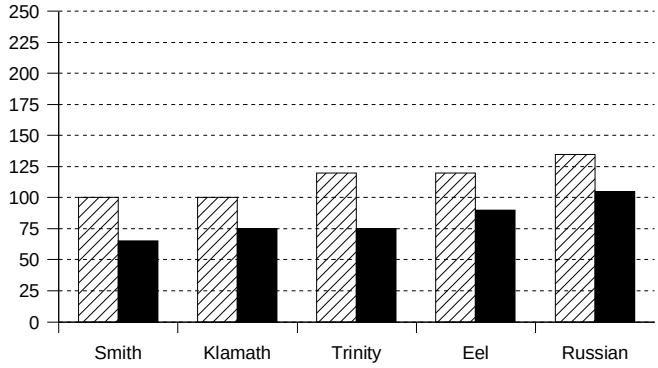
Snowpack Accumulation

Water Content in % of April 1 Average



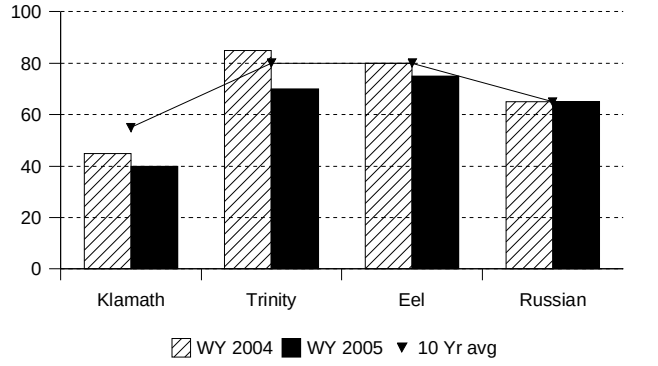
Precipitation

October 1 to date in % of Average



Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average

NORTH COAST REGION

SNOWPACK- First off the month measurements made at 7 snow courses indicate an area wide snow water equivalent of 22.5 inches. This is 95 percent of the March 1 average and 85 percent of the seasonal (April 1) average. Last year at this time the pack was holding 41.6 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 80 percent of normal. Precipitation last month was about 40 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal.

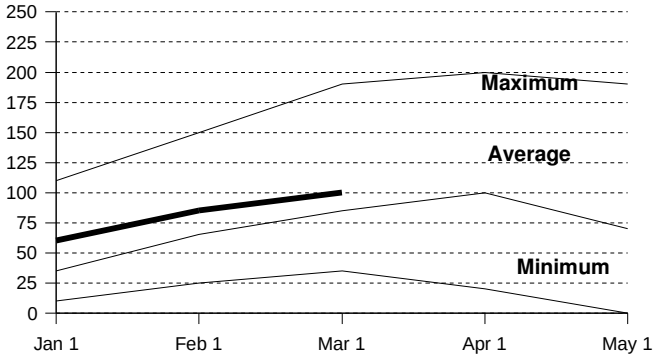
RESERVOIR STORAGE- First of the month storage in 7 reservoirs was 2.1 million acre-feet which is 95 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average.

RUNOFF -Seasonal runoff of streams draining the area totaled 4.2 million acre-feet which is 55 percent of the average for this period. Last year, runoff for the same period was 105 percent of average.

SACRAMENTO RIVER REGION

Snowpack Accumulation

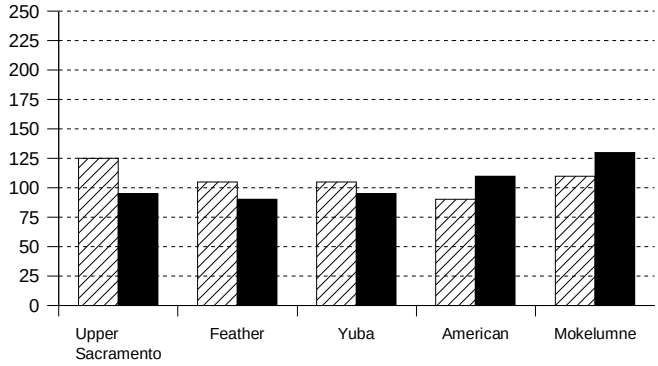
Water Content in % of April 1 Average



SNOWPACK- First of the month measurements made at 68 snow courses indicate an area wide snow water equivalent of 29.9 inches. This is 110 percent of the March 1 average and 100 percent of the seasonal (April 1) average. Last year at this time the pack was holding 34.6 inches of water.

Precipitation

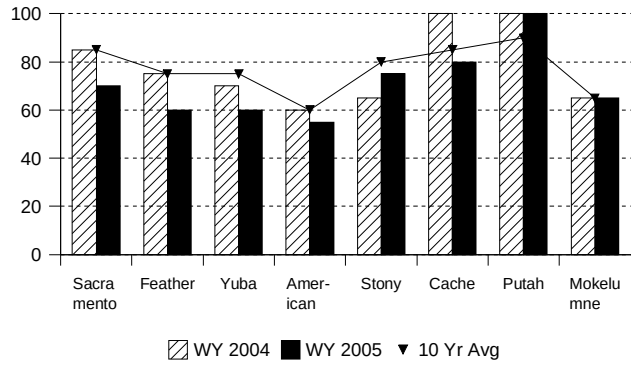
October 1 to date in % of Average



PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on this area was 105 percent of normal. Precipitation last month was about 65 percent of the monthly average. Seasonal precipitation at this time last year stood at 115 percent of normal.

Reservoir Storage

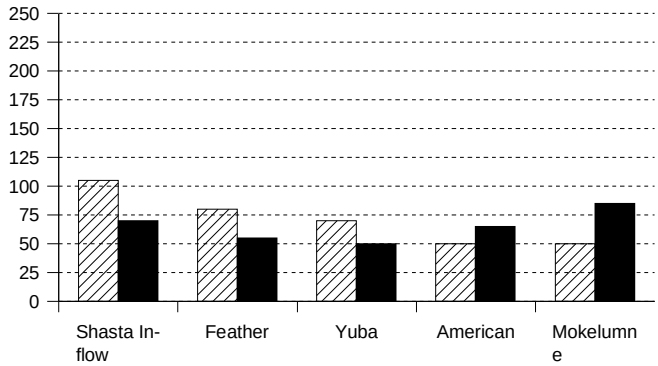
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE- First of the month storage in 43 reservoirs was 10.8 million acre-feet which is 95 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 110 percent of average.

Runoff

October 1 to date in % of average

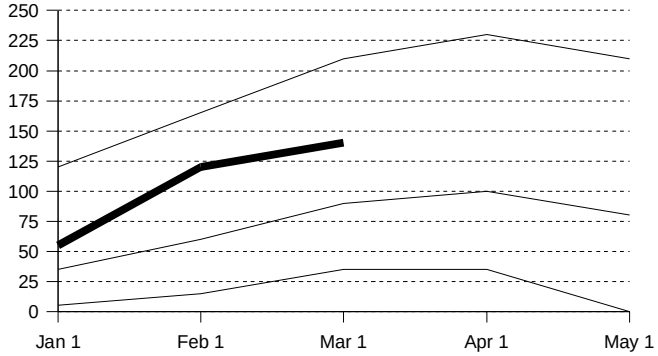


RUNOFF - Seasonal runoff of streams draining the area totaled 5.5 million acre-feet which is 65 percent of average for this period. Last year, runoff for the same period was 95 percent of average.

The **Sacramento Region 40-30-30 Water Supply Index** is forecast to be 6.9 assuming median meteorological conditions for the remainder of the year. This classifies the year as " below normal" in the Sacramento Valley according to the State Water Resources Control Board.

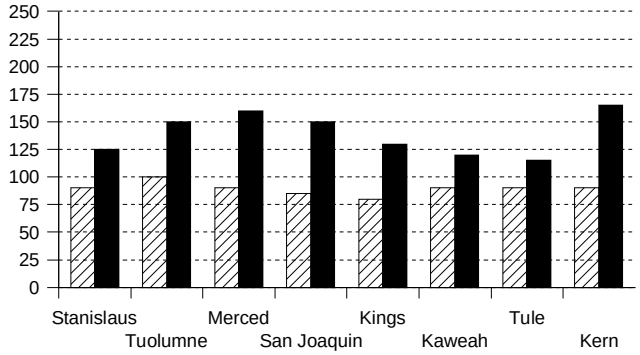
Snowpack Accumulation

Water Content in % of April 1 Average



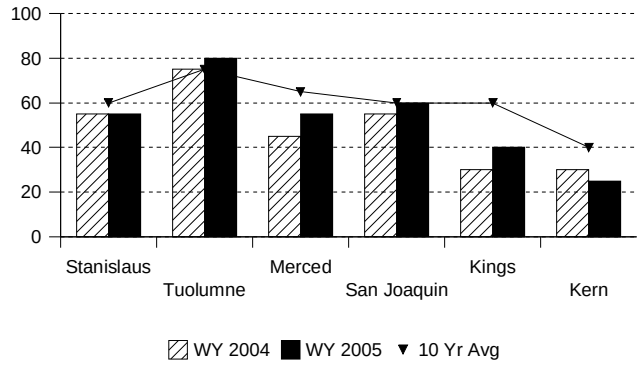
Precipitation

October 1 to date in % of Average



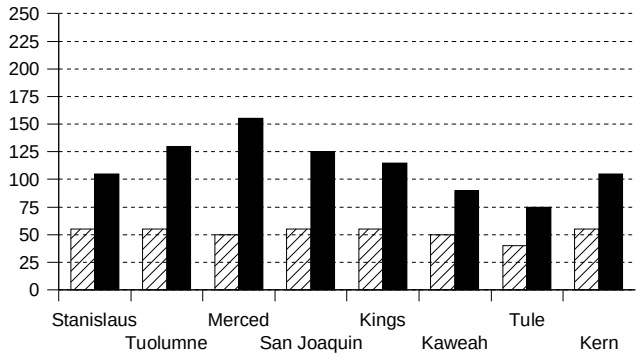
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK- First of the month measurements made at 62 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 41.5 inches. This is 155 percent of the March 1 average and 135 percent of seasonal (April 1) average. Last year at this time the pack was holding 33.0 inches of water.

At the same time 35 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 33.3 inches which is 160 percent of the average for March 1 and 145 percent of the seasonal average. Last year at this time the basin was holding 23.1 inches of water.

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 150 percent of normal. Precipitation last month was about 135 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.

Seasonal precipitation on the **Tulare Lake Region** was 135 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 90 percent of normal.

RESERVOIR STORAGE- First of the month storage in 34 **San Joaquin Region** reservoirs was 8.1 million acre-feet which is 115 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average.

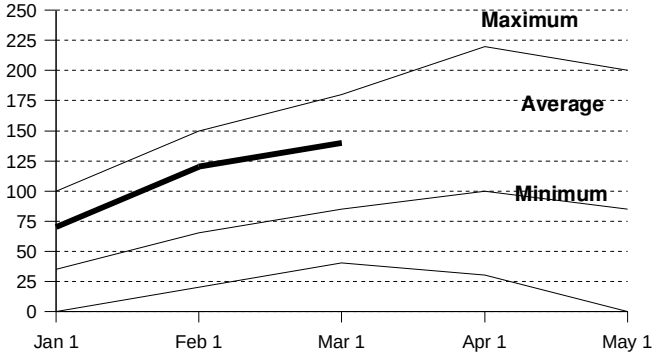
First of the month storage in 6 **Tulare Lake Region** reservoirs was 683 thousand acre-feet which is 80 percent of average and about 35 percent of available capacity. Storage in these reservoirs at this time last year was 70 percent of average.

RUNOFF- Seasonal runoff of streams draining the **San Joaquin Region** totaled 2.1 million acre-feet which is 115 percent of average for this period. Last year, runoff for the same period was 55 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 633 thousand acre-feet which is 100 percent of average for this period. Last year runoff for this same period was 50 percent of average.

The **San Joaquin Region 60-20-20 Water Supply Index** is forecast to be 4.0 assuming median meteorological conditions. This classifies the year as "wet" in the San Joaquin Region according to the State Water Resources Control Board.

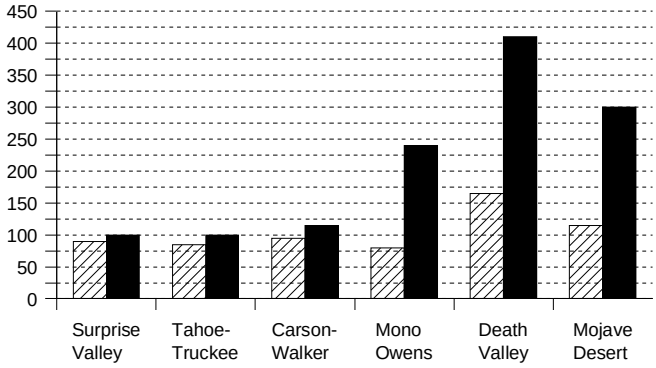
Snowpack Accumulation

Water Content in % of April 1 Average



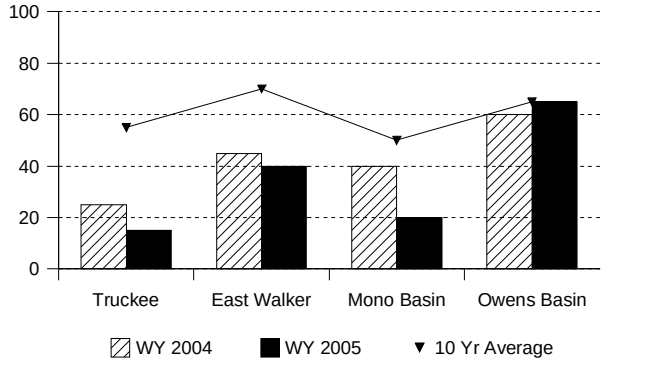
Precipitation

October 1 to date in % of Average



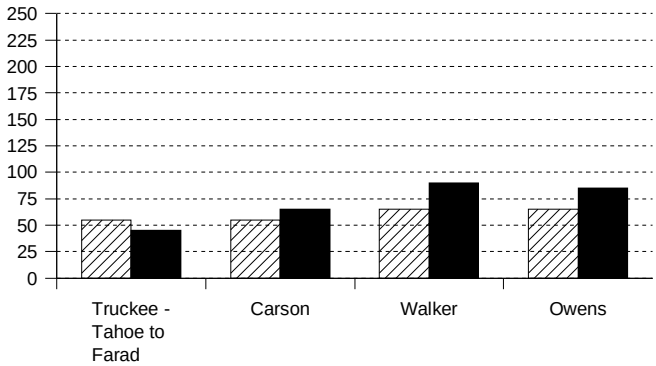
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK- First of the month measurements made at 13 **North Lahontan snow** courses indicate an area wide snow water equivalent of 30.0 inches. This is 140 percent of the March 1 average and 120 percent of seasonal (April 1) average. Last year at this time the pack was holding 29.4 inches of water. At the same time 19 **South Lahontan Region** snow courses indicated a basin-wide snow water equivalent of 30.2 inches which is 180 percent of the average for March 1 and 150 percent of the seasonal average. Last year at this time the basin was holding 19.4 inches of water.

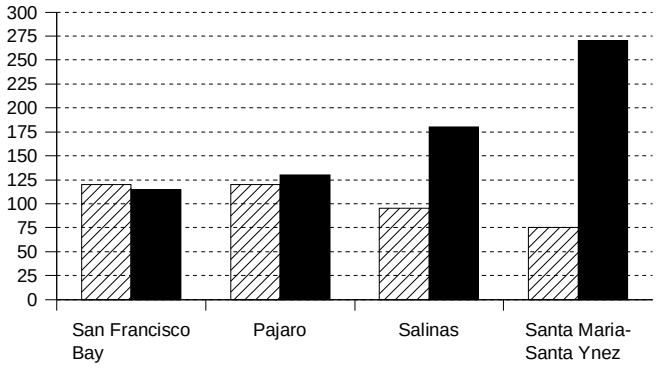
PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 105 percent of normal. Precipitation last month was about 55 percent of the monthly average. Seasonal precipitation at this time last year stood at 90 percent of normal.
Seasonal precipitation on the **South Lahontan** was 315 percent of normal. Precipitation last month was about 265 percent of the monthly average. Seasonal precipitation at this time last year stood at 120 percent of normal.

RESERVOIR STORAGE- First of the month storage in 5 **North Lahontan** reservoirs was 153 thousand acre-feet which is 25 percent of average. About 15 percent of available capacity was being used. Storage in these reservoirs at this time last year was 45 percent of average. Lake Tahoe was .2 feet above its natural rim on March 1.
First of the month storage in 8 **South Lahontan** reservoirs was 250 thousand acre-feet which is 95 percent of average and about 60 percent of available capacity. Storage in these reservoirs at this time last year was 95 percent of average.

RUNOFF- Seasonal runoff of streams draining the **North Lahontan Region** totaled 133 thousand acre-feet which is 60 percent of average for this period. Last year, runoff for the same period was 55 percent of average.
Seasonal runoff of the Owens River in the **South Lahontan Region** totaled 38 thousand acre-feet which is 70 percent of average for this period. Last year runoff for this same period was at 65 percent of average.

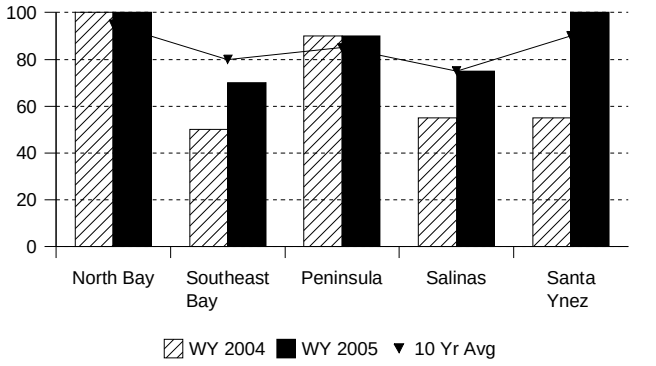
Precipitation

October 1 to date in % of Average



Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average

SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

PRECIPITATION - Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 130 percent of normal. Precipitation last month was about 115 percent of the monthly average. Seasonal precipitation at this time last year stood at 120 percent of normal.
Seasonal precipitation on the **Central Coast Region** was 200 percent of normal. Precipitation last month was about 195 percent of the monthly average. Seasonal precipitation at this time last year stood at 100 percent of normal.

RESERVOIR STORAGE- First of the month storage in 14 **San Francisco Bay Region** reservoirs was 422 thousand acre-feet which is 110 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.
First of the month storage in 6 **Central Coast Region** reservoirs was 784 thousand acre-feet which is 120 percent of average and about 80 percent of available capacity. Storage in these reservoirs at this time last year was 85 percent of average.

RUNOFF- Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 43 thousand acre-feet which is 80 percent of average for this period. Last year, runoff for the same period was 110 percent of average. Seasonal runoff of streams draining the **Central Coast Region** totaled 465 thousand acre-feet which is 215 percent of average for this period. Last year runoff for this same period was 65 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION - October through February (seasonal) precipitation on the **South Coast Region** was 270 percent of normal. February precipitation was 255 percent of the monthly average. Seasonal precipitation at this time last year was 65 percent of normal. Seasonal precipitation on the **Colorado River-Desert Region** was 355 percent of normal and last year's seasonal precipitation on the **Colorado River-Desert Region** was 85 percent of normal. Precipitation in February was 495 percent of average.

RESERVOIR STORAGE - March 1 storage in 29 major **South Coast Region** reservoirs was 1.7 million acre-feet or 115 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 85 percent of average. On March 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 26 million acre-feet or about 65 percent of average. About 50 percent of available capacity was in use. Last year at this time, these reservoirs were storing about 28 million acre-feet.

RUNOFF - Seasonal runoff from selected **South Coast Region** streams totaled 92 thousand acre-feet which is 345 percent of average. Seasonal runoff from these streams last year was 30 percent of average.

COLORADO RIVER - The April -July inflow to Lake Powell is forecast to be 8.6 million acre-feet, which is 108 percent of average. The March 1 snowpack in the Upper Colorado River basin was 120 percent of average, highest in the Muddy, Fremont and Escalante at 190 percent and lowest in the Upper Green at 85 percent.

CENTRAL VALLEY PROJECT

As of February 28, 2005, CVP storage was 7.8 million acre-feet, which is a decrease of 1.2 million acre-feet compared to one year ago and is approximately 100% of normal for that date.

The Bureau of Reclamation announced the initial water year 2005 supply allocation for the CVP contractors on February 15, 2005. Based on a conservative water supply forecast prepared from information available February 1, 2005, and a water year inflow into Shasta Reservoir of 4.0 million acre-feet, CVP water supplies were: Agricultural contractors North of Delta 65% and South of Delta 65%; Urban contractors North of Delta 90% and South of Delta 90%; Sacramento River water rights and San Joaquin Exchange Contractors 100%; Wildlife Refuges 100%; Eastside Division contractors (Stanislaus River) projected to be 2,000 acre-feet; Friant Division contractors 100% of Class 1 and 35% of Class 2. Updated allocations will be announced in mid-March.

The forecast of CVP operations is available on the Mid-Pacific Region's website at http://www.usbr.gov/mp.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF February 2004 1,000 AF	2005 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,570	2,863	2,023	79%	57%
San Luis Reservoir (SWP)	1,062	944	972	1,100	117%	104%
Lake Del Valle	77	34	37	39	113%	50%
Lake Silverwood	73	65	71	69	107%	95%
Pyramid Lake	171	163	166	167	103%	98%
Castaic Lake	324	268	312	308	115%	95%
Perris Lake	132	117	122	117	100%	89%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,853	2,106	1,674	90%	68%
Lake Shasta	4,552	3,342	3,869	3,168	95%	70%
Whiskeytown Lake	241	207	206	210	101%	87%
Folsom Lake	977	551	617	609	111%	62%
New Melones Reservoir	2,420	1,407	1,442	1,437	102%	59%
Millerton Lake	520	341	366	408	120%	78%
San Luis Reservoir (CVP)	971	798	907	868	109%	89%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,793	15,404	15,739	76%	60%
Lake Powell	24,322	19,028	10,537	8,265	43%	34%
Lake Mohave	1,810	1,679	1,716	1,723	103%	95%
Lake Havasu	619	547	556	613	112%	99%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	180	180	183	102%	93%
Camanche Reservoir	417	246	317	337	137%	81%
East Bay (4 res.)	147	133	140	121	91%	82%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	140	230	227	162%	63%
Cherry Lake	268	118	219	240	204%	90%
Lake Eleanor	26	11	7	21	203%	82%
South Bay/Peninsula (4 res.)	225	174	150	168	97%	75%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	126	116	134	107%	73%
Grant Lake	48	27	24	14	52%	30%
Other Aqueduct Storage (6 res.)	83	75	53	54	71%	64%

TELEMETERED SNOW WATER EQUIVALENTS

March 1, 2005

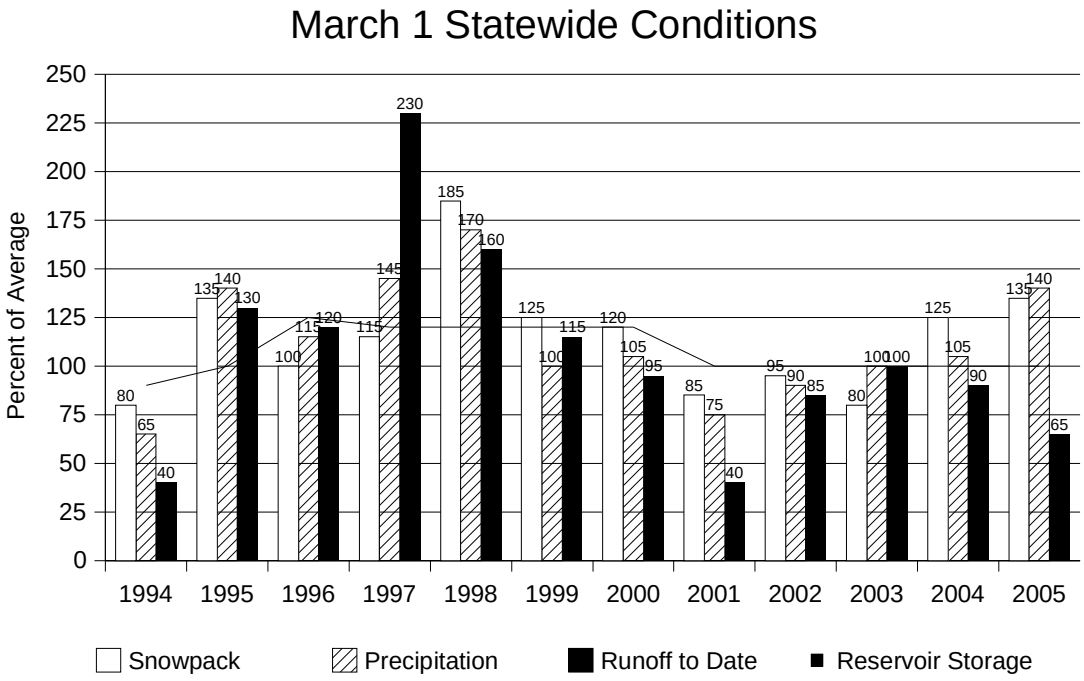
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT Mar 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	23.9	81.7	23.5	22.7
Red Rock Mountain	6700’	39.6	—	—	—	—
Bonanza King	6450’	40.5	30.6	75.6	30.4	29.9
Shimmy Lake	6400’	40.3	50.8	126.0	49.1	47.3
Middle Boulder 3	6200’	28.3	—	—	—	—
Highland Lakes	6030’	29.9	27.1	90.7	26.9	24.6
Scott Mountain	5900’	16.0	24.0	150.0	23.8	22.3
Mumbo Basin	5650’	22.4	30.0	133.8	29.3	29.4
Big Flat	5100’	15.8	19.5	123.7	19.5	19.3
Crowder Flat	5100’	—	0.1	—	0.4	1.9
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	13.7	75.7	13.5	13.9
Blacks Mountain	7050’	12.7	8.3	65.2	8.4	8.2
Sand Flat	6750’	42.4	35.9	84.6	35.1	33.9
Medicine Lake	6700’	32.6	29.3	89.8	28.8	28.3
Adin Mountain	6200’	13.6	8.3	61.0	8.3	8.4
Snow Mountain	5950’	27.0	16.1	59.6	15.7	14.9
Slate Creek	5700’	29.0	36.5	125.8	35.4	34.9
Stouts Meadow	5400’	36.0	42.2	117.2	41.0	40.6
FEATHER RIVER						
Kettle Rock	7300’	25.5	22.1	86.6	22.2	22.8
Grizzly Ridge	6900’	29.7	25.0	84.0	25.0	24.5
Pilot Peak	6800’	52.6	—	—	—	—
Gold Lake	6750’	36.5	40.9	112.1	40.7	40.0
Humbug	6500’	28.0	40.7	145.4	40.4	39.6
Rattlesnake	6100’	14.0	25.9	185.1	26.0	25.9
Bucks Lake	5750’	44.7	38.3	85.6	38.3	37.6
Four Trees	5150’	20.0	23.4	117.0	23.5	25.2
EEL RIVER						
Noel Spring	5100’	—	19.6	—	19.6	19.7
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	48.2	122.0	47.9	47.6
Schneiders	8750’	34.5	41.5	120.3	41.4	39.8
Carson Pass	8353’	—	40.1	—	40.0	39.0
Caples Lake	8000’	30.9	32.0	103.6	31.9	30.9
Alpha	7600’	35.9	—	—	—	—
Meadow Lake	7200’	55.5	44.6	80.3	44.5	43.7
Silver Lake	7100’	22.7	29.6	130.5	29.6	28.9
Central Sierra Snow Lab	6900’	33.6	34.3	102.1	34.3	33.7
Huysink	6600’	42.6	34.2	80.3	34.0	33.1
Van Vleck	6700’	35.9	44.3	123.5	44.4	43.0
Robbs Saddle	5900’	21.4	25.1	117.3	25.2	24.1
Greek Store	5600’	21.0	34.3	163.4	34.1	33.6
Blue Canyon	5280’	9.0	2.7	30.0	2.7	3.4
Robbs Powerhouse	5150’	5.2	20.6	396.3	20.4	20.5
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	21.2	56.9	21.5	21.8
Highland Meadow	8700’	47.9	40.8	85.2	40.8	39.8
Gianelli Meadow	8400’	55.5	50.3	90.6	49.9	48.8
Lower Relief Valley	8100’	41.2	47.8	116.0	47.6	46.5
Blue Lakes	8000’	33.1	36.2	109.4	36.2	34.8
Mud Lake	7900’	44.9	52.3	116.5	52.2	50.8
Stanislaus Meadow	7750’	47.5	48.0	101.0	47.7	46.2
Bloods Creek	7200’	35.5	36.8	103.8	36.6	35.6
Black Springs	6500’	32.0	39.6	123.7	39.2	38.1
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	62.6	—	—	—
Dana Meadows	9800’	27.7	23.6	85.2	23.3	23.1
Slide Canyon	9200’	41.1	40.6	98.8	40.6	40.0
Lake Tenaya	8150’	33.1	33.5	101.2	33.4	32.8
Tuolumne Meadows	8600’	22.6	21.8	96.5	21.8	21.5
Horse Meadow	8400’	48.6	—	—	—	—
Ostrander Lake	8200’	34.8	41.3	118.6	41.0	39.7
Paradise Meadow	7650’	41.3	47.5	115.0	46.9	45.5
Gin Flat	7050’	34.2	35.4	103.4	35.1	34.3
Lower Kibbie Ridge	6700’	27.4	30.7	112.1	30.6	29.7

SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	27.5	91.3	26.8	26.8
Agnew Pass	9450’	32.3	36.8	114.0	36.8	36.8
Kaiser Point	9200’	37.8	40.1	106.2	39.6	38.6
Green Mountain	7900’	30.8	43.4	141.0	42.8	41.9
Tamarack Summit	7550’	30.5	46.7	153.0	46.1	44.9
Chilkoot Meadow	7150’	38.0	57.0	149.9	56.5	55.2
Huntington Lake	7000’	20.1	32.6	162.4	32.2	31.8
Graveyard Meadow	6900’	18.8	39.0	207.4	38.6	38.0
Poison Ridge	6900’	28.9	46.5	160.8	45.9	44.3
KINGS RIVER						
Bishop Pass	11200’	34.0	32.4	95.4	31.8	32.4
Charlotte Lake	10400’	27.5	24.2	88.1	24.2	24.0
State Lakes	10300’	29.0	39.7	136.9	39.1	38.2
Mitchell Meadow	9900’	32.9	40.8	124.0	40.4	39.7
Blackcap Basin	10300’	34.3	39.6	115.4	39.1	38.9
Upper Burnt Corral	9700’	34.6	42.7	123.4	42.4	42.0
West Woodchuck Meadow	9100’	32.8	45.4	138.4	44.4	44.8
Big Meadows	7600’	25.9	33.4	128.8	33.0	32.3
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	53.9	156.2	53.5	52.3
Quaking Aspen	7200’	21.0	23.8	113.1	23.6	23.5
Giant Forest	6650’	10.0	16.6	166.0	16.0	15.4
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	29.6	106.9	29.5	28.9
Crabtree Meadow	10700’	19.8	24.4	123.0	24.2	23.8
Chagoopa Plateau	10300’	21.8	19.6	90.0	19.6	18.9
Pascoes	9150’	24.9	46.2	185.5	45.6	42.5
Tunnel Guard Station	8900’	15.6	18.9	121.3	18.9	18.2
Wet Meadows	8950’	30.3	42.3	139.6	42.0	40.3
Casa Vieja Meadows	8300’	20.9	26.2	125.5	26.2	25.3
Beach Meadows	7650’	11.0	11.8	106.9	12.0	11.9
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	22.5	77.1	22.3	22.0
TRUCKEE RIVER						
Mount Rose Ski Area	8900’	38.5	37.5	97.4	37.5	36.7
Independence Lake	8450’	41.4	37.6	90.8	37.6	36.8
Big Meadows	8700’	25.7	23.4	91.1	23.4	22.1
Squaw Valley	8200’	46.5	55.3	118.9	54.8	54.5
Independence Camp	7000’	21.8	18.8	86.2	18.8	19.0
Independence Creek	6500’	12.7	18.7	147.2	18.4	18.0
Truckee 2	6400’	14.3	21.0	146.9	21.0	20.9
LAKE TAHOE BASIN						
Heavenly Valley	8800’	28.1	29.6	105.3	29.4	28.4
Hagans Meadow	8000’	16.5	18.6	112.7	18.5	18.1
Marlette Lake	8000’	21.1	27.4	129.9	27.6	26.4
Echo Peak 5	7800’	39.5	49.0	124.1	49.1	46.8
Rubicon Peak 2	7500’	29.1	29.8	102.4	29.6	29.1
Tahoe City Cross	6750’	16.0	15.6	97.5	15.6	15.9
Ward Creek 3	6750’	39.4	39.4	100.0	39.0	38.4
Fallen Leaf Lake	6250’	7.0	10.1	144.3	10.2	10.2
CARSON RIVER						
Ebbetts Pass	8700’	38.8	35.5	91.5	35.5	34.4
Horse Meadow	8557’	—	21.9	—	21.9	21.4
Burnside Lake	8129’	—	25.3	—	25.3	24.6
Forestdale Creek	8017’	—	31.2	—	31.3	30.7
Poison Flat	7900’	16.2	23.6	145.7	23.6	22.9
Monitor Pass	8350’	—	19.6	—	19.6	18.9
Spratt Creek	6150’	4.5	13.7	304.4	13.6	13.0
WALKER RIVER						
Leavitt Lake	9600’	—	62.7	—	62.4	61.3
Summit Meadow	9313’	—	29.8	—	29.7	29.0
Virginia Lakes	9300’	20.3	27.0	133.0	27.1	26.3
Lobdell Lake	9200’	17.3	24.2	139.9	24.3	23.2
Sonora Pass Bridge	8750’	26.0	32.5	125.0	32.6	31.8
Leavitt Meadows	7200’	8.0	19.1	238.8	18.9	18.9
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	50.9	160.6	50.5	49.3
Sawmill	10200’	19.4	16.9	87.3	17.0	17.5
Cottonwood Lakes	10150’	11.6	28.9	248.8	28.9	27.4
Big Pine Creek	9800’	17.9	—	—	—	—
South Lake	9600’	16.0	24.8	155.2	24.7	23.9
Mammoth Pass	9300’	42.4	47.5	112.1	46.9	46.1
Rock Creek Lakes	10000’	14.0	18.6	132.8	18.5	18.4

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



SNOWLINES

The 73rd Western Snow Conference (WSC) will be held in Great Falls, Montana 11-14 April 2005, hosted by the North Continental Region. This meeting will be part of the commenoration of the Lewis and Clark expedition. For further information regarding the Western Snow Conference contact Frank Gehrke at 916-574-2635 or gridley@water.ca.gov. Information is available on the web at http://www.westernsnowconference.org

DEPICTED on this months cover is an ultrasonic snow depth sensor (shown here at Crabtree Ranger Station snow course) which allow snow survey program staff to make better estimates of the timing and amount of snow water accumulation in upper elevation watersheds. Snow depth data is also used by many other discipines ranging from avalanche forecasting to Spring browse availability (photo by Dave Hart)